Refine Search

Search Results -

Terms	Documents
clustering and genetic near operator and parent near population and offspring near	1
population.clm.	

US Pre-Grant Publication Full-Text Database US Patents Full-Text Database US OCR Full-Text Database EPO Abstracts Database JPO Abstracts Database Derwent World Patents Index IBM Technical Disclosure Bulletins

Search:

Database:

L19			N V	Refine Search
	/Recall Text	Clear		Interrupt

Search History

DATE: Monday, May 21, 2007 Purge Queries Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=B	PGPB; $PLUR=NO$; $OP=OR$		
<u>L19</u>	clustering and genetic near operator and parent near population and offspring near population.clm.	. 1	<u>L19</u>
DB=B	PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR		
<u>L18</u>	clustering and genetic near operator and parent near population and offspring near population	. 1	<u>L18</u>
DB=B	PGPB; $PLUR=NO$; $OP=OR$		
<u>L17</u>	dependency adj structure adj matrix and genetic adj operator.clm.	1	<u>L17</u>
<u>L16</u>	design adj structure adj matrix and genetic adj operator.clm.	1	<u>L16</u>
DB=B	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=NO; OP=OR		
<u>L15</u>	dependency adj structure adj matrix and genetic adj operator.clm.	. 1	<u>L15</u>
<u>L14</u>	design adj structure adj matrix and genetic adj operator.clm.	1	<u>L14</u>
<u>L13</u>	L11 and dependency adj structure adj matrix and genetic adj operator	0	<u>L13</u>

<u>L12</u>	L11 and design adj structure adj matrix and genetic adj operator	0	<u>L12</u>
<u>L11</u>	706/\$.ccls.	8127	<u>L11</u>
<u>L10</u>	yassine-ali.in.	1	<u>L10</u>
<u>L9</u>	yu-tian-li.in.	1	<u>L9</u>
<u>L8</u>	goldberg-david-e.in.	9	<u>L8</u>
<u>L7</u>	L5 and genetic adj operator	1	<u>L7</u>
<u>L6</u>	L4 and genetic adj operator	1	<u>L6</u>
<u>L5</u>	dependency adj structure adj matrix	6	<u>L5</u>
<u>L4</u>	design adj structure adj matrix	12	<u>L4</u>
<u>L3</u>	L1 and design adj structure adj matrix	0	<u>L3</u>
<u>L2</u>	L1 and design adj strucutre adj matrix	0	<u>L2</u>
<u>L1</u>	706/13.ccls.	347	<u>L1</u>

END OF SEARCH HISTORY

Web Images Video News Maps Gmail more

Sign in

Google

+"Design structure matrix" +"genetic operator"

Search.

Advanced Search Preferences

Web

Results 1 - 4 of 4 for +"Design structure matrix" +"genetic operator". (0.08 seconds)

Tip: Try removing quotes from your search to get more results.

Methods and program products for optimizing problem clustering ...

A method for optimizing clustering in a design structure matrix comprising the steps of: applying at least one genetic operator to a parent population of ...

www.freepatentsonline.com/20050177351.html - 70k - Cached - Similar pages

Methods and program products for optimizing problem clustering ... An embodiment of the present invention includes the steps of using a **genetic operator** to achieve an optimal clustering of a **design structure matrix** model. www.freshpatents.com/Methods-and-program-products-for-optimizing-problem-clustering-dt20050811ptan2005017... - 30k - Supplemental Result - <u>Cached</u> - <u>Similar pages</u>

[PDF] A Generic Genetic Algorithm for Product Family Design
File Format: PDF/Adobe Acrobat
(1999) apply a design structure matrix to cluster highly ... hybrid strategy applies rejecting, penalty strategies, and modifying genetic operator strategy ...
www.ntu.edu.sg/mae/admin/divisions/systems/Faculty/Page%20Document/JIM_GGA.pdf Supplemental Result - Similar pages

欢迎访问学位论文检索系统-[Translate this page]

... of the workflow model and the **design structure matrix** (DSM) is applied, ... The **genetic operator** such as selection operator, crossover operator and ... 218.58.59.84:8002/xwlw/detail.jsp?channelid=65201&record=3 - 15k - Supplemental Result - <u>Cached</u> - <u>Similar pages</u>

In order to show you the most relevant results, we have omitted some entries very similar to the 4 already displayed.

If you like you can repeat the search with the omitted results included.

If you like, you can repeat the search with the omitted results included.

+"Design structure matrix" +"genetic Search

Search within results | Language Tools | Search Tips | Dissatisfied? Help us improve

©2007 Google - Google Home - Advertising Programs - Business Solutions - About Google

Web Images Video News Maps Gmail more ▼

Sign in

Google

+"Design structure matrix" +"genetic operator"



Advanced Search Preferences

Web

Results 1 - 10 of about 24,800 for +"Design structure matrix". (0.20 seconds)

The Design Structure Matrix Web Site - Home

DSM Web - the online portal for the **Design Structure Matrix** Community. www.dsmweb.org/ - 13k - <u>Cached</u> - <u>Similar pages</u>

<u>Dependency Structure Matrix - Wikipedia, the free encyclopedia</u>
A Dependency Structure Matrix, or DSM (also referred to as Dependency
Structure Method, **Design Structure Matrix**, Problem Solving Matrix (PSM),

en.wikipedia.org/wiki/Dependency_Structure_Matrix - 16k - Cached - Similar_pages

[PDF] Microsoft PowerPoint - Design Structure Matrix ppt

File Format: PDF/Adobe Acrobat - View as HTML

Design Structure Matrix. DSM. A method for analysing dependencies in ... **Design structure matrix**:. Component Based, Physical Interfaces ... www.machine.ikp.liu.se/edu/under/tmkt31/CourseMaterial/Fo8/Design% 20Structure%20Matrix.pdf - <u>Similar pages</u>

Sponsored Links

IT Solutions Partner
Driver Licensing, ID, Healthcare
solutions using smart card, J2EE
www.inventive-soft.com

Matrix Structure
People skills to make your
Matrix work faster - Try here
www.global-integration.com

Using the Design Structure Matrix to Manage Product Development ...

The **Design Structure Matrix** (DSM) is a tool that maps information flow and its impact in product development processes. DSM represents visually the network ... fasttrack.roundtable.com/app/content/knowledgesource/item/823 - 19k - Cached - Similar pages

[PDF] Applying the design structure matrix to system decomposition and ...

File Format: PDF/Adobe Acrobat

"design structure matrix" for a time-based matrix akin to a ... design structure matrix in construction," in 3rd Int. Workshop on Lean ... ieeexplore.ieee.org/iel5/17/20485/00946528.pdf?arnumber=946528 - Similar pages

IngentaConnect Product configuration analysis with design ...

The purpose of this paper is to introduce a method of how to analyse sales configuration models by using a **design structure matrix** (DSM) tool. ... www.ingentaconnect.com/content/mcb/029/2006/00000106/0000007/art00005 - Similar pages

Design Structure Matrix (manAmplified)

The **Design Structure Matrix** can be used for system analysis and project management. Here is a good introduction. DSM is the basis for the concepts in Design ... www.manamplified.org/archives/000208.html - 15k - <u>Cached</u> - <u>Similar pages</u>

[PDF] Analysis of the Design Structure Matrix: Complexity and Algorithms

File Format: PDF/Adobe Acrobat - View as HTML

development projects; this is the **Design Structure Matrix** (DSM) approach. ... Steward (1981) introduced the notion of a **Design Structure Matrix** (DSM) which ... www.cba.ufl.edu/dis/docs/papers/ProjectsWithSequentialIteration.pdf - <u>Similar pages</u>

Using the Design Structure Matrix (DSM) for Process Integration ...

The new standards advocate integrated engineering processes. A process is a kind of

system. As such, it derives its added value from the relationships among ... citeseer.ist.psu.edu/482890.html - 20k - <u>Cached</u> - <u>Similar pages</u>

[PDF] Microsoft PowerPoint - Keith Woodman_ Vincent Bilardo Jr.
File Format: PDF/Adobe Acrobat - View as HTML
Introduce Design Structure Matrix (DSM) methodology. 2.Present a Practical Application of DSM in ... Introduction to Design Structure Matrix Methodology ... pmchallenge.gsfc.nasa.gov/.../Day%201/ToolTimel/Keith%20Woodman_%20Vincent% 20Bilardo%20Jr.pdf - Similar pages

1 <u>2 3 4 5 6 7 8 9 10</u> **Next**

+"Design structure matrix" Search

Search within results | Language Tools | Search Tips | Dissatisfied? Help us improve

©2007 Google - Google Home - Advertising Programs - Business Solutions - About Google

Web Images Video News Maps Gmail Sign in

Google

+"Dependency structure matrix" +"genetic ope Search

Advanced Search

Web

Results 1 - 8 of 8 for +"Dependency structure matrix" +"genetic operator". (0.22 seconds)

Tip: Try removing quotes from your search to get more results.

Workshop on Parameter Setting in Genetic and Evolutionary ... Finally, the genetic operator configurations the meta-GA evolves are far from ... The methodology is demonstrated using the dependency structure matrix ... w3.ualg.pt/~flobo/psgea-2005/index.html - 21k - Cached - Similar pages

[PS] A Survey of Linkage Learning Techniques in Genetic and ... File Format: Adobe PostScript - View as Text 1999a), or linkage evolving genetic operator (LEGO) (Smith & Fogarty, 1995; Smith & Fogarty, ... Dependency structure matrix analysis: Off-line utility of ... ftp://ftp-illigal.ge.uiuc.edu/pub/papers/IlliGALs/2007014.ps.Z - Similar pages

rest Extending the Scalability of Linkage Learning Genetic Algorithms ... File Format: Adobe PostScript - View as Text Genetic operator: The inversion operator and the partially mapped ... sign inspired by organizational theory: Pilot study of a dependency structure matrix ... ftp://ftp-illigal.ge.uiuc.edu/pub/papers/IlliGALs/2004018.ps.Z - Similar pages [More results from ftp://ftp-illigal.ge.uiuc.edu]

Methods and program products for optimizing problem clustering ... Another example is dependency structure matrix ("DSM") models. ... [0027] It has been discovered that methods of applying a genetic operator to a parent DSM ... www.freepatentsonline.com/20050177351.html - 70k - Cached - Similar pages

[PDF] A Survey of Linkage Learning Techniques in Genetic and ... File Format: PDF/Adobe Acrobat - View as HTML (SX) [39, 40, 41], or linkage evolving genetic operator (LEGO) [42, 43, 44], are also included, in unimetric approaches because no extra measurements are ... nclab.tw/TR/2007/NCL-TR-2007009.pdf - Supplemental Result - Similar pages

IPDFI Introducing Recombination with Dynamic Linkage Discovery to ... File Format: PDF/Adobe Acrobat genetic operator with linkage concept. To achieve this goal, ... inspired by organizational theory: Pilot study of a dependency structure matrix ... nclab.tw/TR/2006/NCL-TR-2006006.pdf - Similar pages [More results from nclab.tw]

Methods and program products for optimizing problem clustering ... Another example is dependency structure matrix ("DSM") models. ... of using a genetic operator to achieve an optimal clustering of a design structure matrix ... www.freshpatents.com/Methods-and-program-products-for-optimizing-problem-clusteringdt20050811ptan2005017... - 28k - Supplemental Result - Cached - Similar pages

Methods and program products for optimizing problem clustering ... Another example is dependency structure matrix ("DSM") models. ... [0030] At least one genetic operator is then applied to the parent population of ... www.freshpatents.com/Methods-and-program-products-for-optimizing-problem-clusteringdt20050811ptan2005017... - 71k - Supplemental Result - Cached - Similar pages

In order to show you the most relevant results, we have omitted some entries very similar to the 8 already displayed.

If you like, you can repeat the search with the omitted results included.

+"Dependency structure matrix" +"g

Search within results | Language Tools | Search Tips | Dissatisfied? Help us improve

©2007 Google - Google Home - Advertising Programs - Business Solutions - About Google

Home

THE GOVE

Resources

Conissis

Timatilai:

Second?





TC2100 Electronic Information Center

SERVICES		
Database Search	submit	
PLUS Search	submit	TC2100 Databases
Book/Article Delivery	submit	
Book/Journal Purchase	<u>submit</u>	·
Foreign Patents	<u>submit</u>	
Virtual EIC		TC2100 E-Books
Translation	submit	
SIRA Automation Training		
STIC Demos & Events		
RESOURCES		TC2100 E-Journals
STIC Online Catalog		
New Resources		•
Databases		
EEDD		TC2100 Reference Tools
E-Books search		
E-Journals search		•
Legal Tools		
Nanotechnology		TC2100 Search Templates
Reference Tools		
Search Templates		·
Traditional Knowledge and	Medicine	
STIC		TC2100 Examiner Recommended Sites
About Us		
FAQ		
Locations & Hours		
News		EIC2100 & ITRP Staff

Search STIC Site

Site Map Staff



If you cannot access a file because of a missing or non-working plugin, please contact the Help Desk at 2-9000 for installation assistance.

Intranet Home | Index | Resources | Contacts | Internet | Search | Firewall | Web Services

Last modified 04/11/2007 07:44:18



Home | Login | Logout | Access Information

Welcome United States Patent and Trademark Office

BROWSE

SEARCH

IEEE XPLORE GUIDE

avancea o	caron ,	Bitolice	02.,	
·			•	» Publications
OPTIC Enter	DN 1 keywords or phrases, select fields, and select fields.	ct operators	? Help	 Publications Select publications
	in All F	ioldo 🍒	3	✓ IEEE Periodicals
	in All F	<u> </u>	_	☑ IET Periodicals
AND	in All F	ields		✓ IEEE Conference
AND	in All F	ields		✓ IET Conference F
		. 612		▼ IEEE Standards
	e: If you use all three search boxes, the entries in	n the first two boxes		» Other Resources (Availa
take p	recedence over the entry in the third box.			IEEE Books
ОРТІО	ON 2			» Standard Status
	keywords, phrases, or a Boolean expression	1	? Help	(Applies to IEEE Standard
des	ign structure matrix			Status All
				» Select date range
				C Search latest content
J				From year All
	4.5 29.764			to Present F
	e: You may use the search operators <and> or < out the start and end brackets <>.</and>	<or></or>		» Display Format
	rn more about <u>Field Codes</u> , <u>Search Examples</u> , a	and Search Operator	<u>.</u>	
	-			
			•	» Organize results

Indexed by Inspec°

Contact Us

In Descending

Maximum 100

Display 25 resi Sort by Relevance

© Copyright 20



Welcome United States Patent and Trademark Office

Search Res	RELEASE 2.3			BROWSE	· SEAF	RCH IEEI	E XPLORE GU	IIDE
Results for Your search	"((design structure n matched 16 of 1574	1558 docu	uments.					∑ e-m a il
								•
» Search O _l	ptions		Modify \$	Search				
View Sessi	on History		((design :	structure matrix) <in>me</in>	tadata)			Search
New Search	<u>h</u> .		Che	ck to search only with	in this results	set		_
» Key			Display	Format: © Citati	ion () Citat	tion & Abstract		
IEEE JNL	IEEE Journal or Magazine		√ view s	elected items Se	lect All Dese	elect All		
IET JNL	IET Journal or Magazi	ine		•				
IEEE CNF	IEEE Conference Proceeding		[] 1.	An Approach to the Reconfigurability of	of Distributed			for Assess
IET CNF	IET Conference Proceeding			Farid, A.M.; McFarla Distributed Intelligen		ollective Intelligence	e and Its Appli	cations, 200
IEEE STD	IEEE Standard			IEEE Workshop on 15-16 June 2006 Pa	ige(s):121 - 12	26		
,				Digital Object Identif				•
	·			AbstractPlus Full T Rights and Permissi		KB) IEEE CNF		
			<u> </u>	Applying the desig a review and new of Browning, T.R.; Engineering Manage Volume 48, Issue 3 Digital Object Identif	directions ement, IEEE 1 , Aug. 2001 F fier 10.1109/1	<u>Fransactions on</u> Page(s):292 - 306 7.946528		n and integ
	•			AbstractPlus Refer		ext: <u>PDF(</u> 528 KB)	IEEE JNL	
			□ 3.	Information Leader Analysis of the Des Batallas, D.A.; Yass Engineering Manag Volume 53, Issue 4 Digital Object Identi	sign Structur ine, A.A.; ement, IEEE 7 , Nov. 2006 F	e Matrix <u>Fransactions on</u> Page(s):570 - 582	ganizational N	letworks: S
· .				AbstractPlus Full T Rights and Permiss		2 KB) IEEE JNL		
			□ 4	A simulation-base Soo-Haeng Cho; En Engineering Manag Volume 52, Issue 3 Digital Object Identi	ppinger, S.D.; ement, IEEE J. Aug. 2005 F	Fransactions on Page(s):316 - 328	j complex des	ign project
				AbstractPlus Full T		KB) IEEE JNL		
			<u> </u>	Optimization on De	esign Structu	ıre Matrix Method	and its Appli	cation for S

	Linyi Deng; Yan Lin; Chaoguang Jin; Ming Chen; Qianwen You; Intelligent Control and Automation, 2006. WCICA 2006. The Sixth World Congiver Volume 2, 21-23 June 2006 Page(s):7395 - 7399 Digital Object Identifier 10.1109/WCICA.2006.1714523
	AbstractPlus Full Text: PDF(248 KB) IEEE CNF Rights and Permissions
<u>-</u>	6. A simulation-based optimization framework for product development cyc reduction Abdelsalam, H.M.E.; Bao, H.P.; Engineering Management, IEEE Transactions on Volume 53, Issue 1, Feb. 2006 Page(s):69 - 85 Digital Object Identifier 10.1109/TEM.2005.861805 AbstractPlus Full Text: PDF(928 KB) IEEE JNL
	Rights and Permissions
	7. Enterprise Knowledge Based Database for New Product Development pro K. M. Tham; S. A. Sharif; B. Kayis; Management of Innovation and Technology, 2006 IEEE International Conferent Volume 1, June 2006 Page(s):427 - 431 Digital Object Identifier 10.1109/ICMIT.2006.262198 AbstractPlus Full Text: PDF(105 KB) IEEE CNF Rights and Permissions
	8. Application of DSM-based process reengineering in multidisciplinary coc Lu-ning Xu; He-ming Zhang; Wen-sheng Xu; Yong-kang Zhang; Computer Supported Cooperative Work in Design, 2005. Proceedings of the N Conference on Volume 2, 24-26 May 2005 Page(s):961 - 965 Vol. 2
	AbstractPlus Full Text: PDF(262 KB) IEEE CNF Rights and Permissions
	9. Product development process intelligent analysis and improvement Yao Yong; Xiong Guangleng; Fan Wenhui; Fan Xiaodong; Networking, Sensing and Control, 2004 IEEE International Conference on Volume 1, 21-23 March 2004 Page(s):412 - 417 Vol.1 Digital Object Identifier 10.1109/ICNSC.2004.1297473 AbstractPlus Full Text: PDF(1527 KB) IEEE CNF Rights and Permissions
Ę	10. Mapping product innovation profile to product development activities - the Bilalis, N.; Maravelakis, E.; Antoniadis, A.; Moustakis, V.; Engineering Management Conference, 2004. Proceedings. 2004 IEEE International Volume 3, 18-21 Oct. 2004 Page(s):1018 - 1022 Vol.3 Digital Object Identifier 10.1109/IEMC.2004.1408845 AbstractPlus Full Text: PDF(650 KB) IEEE CNF
	Rights and Permissions
	11. Managing unmanned flight projects using methods in complex product d Mohan, S.N.; Aerospace Conference Proceedings, 2002. IEEE Volume 7, 9-16 March 2002 Page(s):7-3473 - 7-3488 vol.7 Digital Object Identifier 10.1109/AERO.2002.1035324 AbstractPlus Full Text: PDF(1152 KB) IEEE CNF Rights and Permissions
	12. Product development process capture and display using Web-based tecl Sabbaghian, N.; Eppinger, S.; Murman, E.; Systems, Man, and Cybernetics, 1998. 1998 IEEE International Conference or

Volume 3, 11-14 Oct. 1998 Page(s):2664 - 2669 vol.3 Digital Object Identifier 10.1109/ICSMC.1998.725062 AbstractPlus | Full Text: PDF(680 KB) IEEE CNF Rights and Permissions

13. Engineering design management: an information structure approach Yassine, A.; Innovation in Technology Management - The Key to Global Leadership. PICMI International Conference on Management and Technology 27-31 July 1997 Page(s):483 Digital Object Identifier 10.1109/PICMET.1997.653479
AbstractPlus Full Text: PDF(64 KB) IEEE CNF Rights and Permissions
14. An analytical method based on design structure matrix for modular identications in the computer of the com
 Rights and Permissions
15. A New Task Assignment Approach in Concurrent Engineering Bo Yang; Xiangbo Ze; Luning Liu; Computer Supported Cooperative Work in Design, 10th International Conferer May 2006 Page(s):1 - 6 Digital Object Identifier 10.1109/CSCWD.2006.253010
AbstractPlus Full Text: PDF(6826 KB) IEEE CNF Rights and Permissions
16. An Study on Information Security Optimization Based on MFDSM Jun-Jie Lv; Wan-Hua Qiu; Yuan-Zhuo Wang; Na Zou; Machine Learning and Cybernetics, 2006 International Conference on Aug. 2006 Page(s):2732 - 2736 Digital Object Identifier 10.1109/ICMLC.2006.258989
AbstractPlus Full Text: PDF(197 KB) IEEE CNF

inspec°

Contact Us Privacy &: © Copyright 2006 IEEE -



Home | Login | Logout | Access Information

Welcome United States Patent and Trademark Office

E	EE Xplore®	
r⊞3Δdvs	ancod Sparch	

BROWSE

SEARCH

IEEE XPLORE GUIDE

? Help	» Publications
-	Select publications
	IEEE Periodicals
29	☑ IET Periodicals
	▼ IEEE Conference
	☑ IET Conference Policy
ooxes	» Other Resources (Availat
•	☑ IEEE Books
? Help	» Standard Status (Applies to IEEE Standards
	Status All 🔽
	» Select date range
	C Search latest content u
Z	From year All
	to Present
	» Display Format
<u>erators</u>	
	•
N.	» Organize results
	Maximum 100
•	Display 25 res
	Sort by Relevance
	In Descending
	OXES OXES

indexed by inspec

Contact Us © Copyright 20

🔽 e-mail

Search.



Home | Login | Logout | Access Information | Alerts |

Welcome United States Patent and Trademark Office

Volume 1, 21-23 March 2004 Page(s):412 - 417 Vol.1

Digital Object Identifier 10.1109/ICNSC.2004.1297473 AbstractPlus | Full Text: PDF(1527 KB) IEEE CNF

#⊡#Search Results

BROWSE

Rights and Permissions

SEARCH

IEEE XPLORE GUIDE

Results	for '	"((design	structure	matrix	<and></and>	genetic	/ <in></in>	netadata)"

Your search matched 1 of 1568664 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

» Search Options

IEEE STD IEEE Standard

View Sessi	on History	Modify Search
New Search		((design structure matrix <and> genetic)<in>metadata)</in></and>
		Check to search only within this results set
» Key		Display Format:
IEEE JNL	IEEE Journal or Magazine	
IET JNL	IET Journal or Magazine	view selected items Select All Deselect All
IEEE CNF	IEEE Conference Proceeding	1. Product development process intelligent analysis and improvement
IET CNF	IET Conference Proceeding	Yao Yong; Xiong Guangleng; Fan Wenhui; Fan Xiaodong; Networking, Sensing and Control, 2004 IEEE International Conference or

Indexed by inspec* Help Contact Us Privacy &: © Copyright 2006 IEEE -



Home | Login | Logout | Access Information

Welcome United States Patent and Trademark Office

I⊡IAdvanced Search

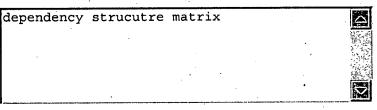
BROWSE SEARCH **IEEE XPLORE GUIDE**

Ø	OPTION 1 Enter keywords or phrases, select fields, and select operators		
		in All Fields	Ð
	AND 🔂	in All Fields	O
	AND 🔂	in All Fields	€
	PART SEE PAGE		

» Note: If you use all three search boxes, the entries in the first two boxes take precedence over the entry in the third box.

OPTION 2 Enter keywords, phrases, or a Boolean expression

② Help





- » Note: You may use the search operators <and> or <or> without the start and end brackets <>.
- » Learn more about Field Codes, Search Examples, and Search Operators

» Publications

Select publications

IEEE Periodicals

✓ IET Periodicals

▼ IEEE Conference

IET Conference Pi

▼ IEEE Standards

» Other Resources (Availal

IEEE Books

» Standard Status (Applies to IEEE Standards

> Status All V

» Select date range

C Search latest content u

From year All



» Display Format

Citation

C Citatic

» Organize results

Maximum 100

Display 25 resi

Sort by Relevance

In Descending

Help Contact Us

© Copyright 20

Indexed by inspec*



Home | Login | Logout | Access Information | Alerts |

Welcome United States Patent and Trademark Office

©□Search Results

BROWSE

SEARCH

IEEE XPLORE GUIDE

Results for "((dependency strucutre matrix)<in>metadata)"

Your search matched 0 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

» Search Options

View Session History

Modify Search

New Search

((dependency strucutre matrix)<in>metadata)

Search

» Key

IEEE Journal or **IEEE JNL**

Magazine

IET JNL

IET Journal or Magazine

IEEE CNF

IEEE Conference

Proceeding

IET CNF

IET Conference

Proceeding

IEEE STD IEEE Standard

Check to search only within this results set

Display Format:

No results were found.

Please edit your search criteria and try again. Refer to the Help pages if you need assistan

Help Contact Us Privacy &:

© Copyright 2006 IEEE -

Indexed by inspec'



Subscribe (Full Service) Register (Free, Limited Service) Login

Search: • The ACM Digital Library C The Guide

Design Structure Matrix



THE ACM DICITAL LIBRARY

Full text of every article ever published by ACM.

- Using the ACM Digital Library
 - Frequently Asked Questions (FAQ's)

Recently loaded issues and proceedings:

(available in the DL within the past 2 weeks)

Journal on Educational Resources in Computing (JERIC)

Volume 6 Issue 3

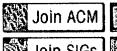
ACM Transactions on Computer Systems (TOCS) Volume 25 Issue 2

ACM Transactions on Information and System Security (TISSEC) Volume 10 Issue 2

ACM Transactions on Speech and Language

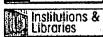
₽ Feedback

- Réport a problem
- Take our Satisfaction survey









Advanced Search

Browse the Digital Library:

- **Journals**
- **Magazines**
- **Transactions**
- **Proceedings**
- Newsletters
- Publications by Affiliated **Organizations**
- Special Interest Groups (SIGs)
- ACM Oral History interviews

Personalized Services: Login required



Save search results and queries. Share binders with colleagues and build bibliographies.



Receive the table of contents via email as new issues or proceedings become available.



CrossRef Search Pilot program to create full-text interpublisher searchability.



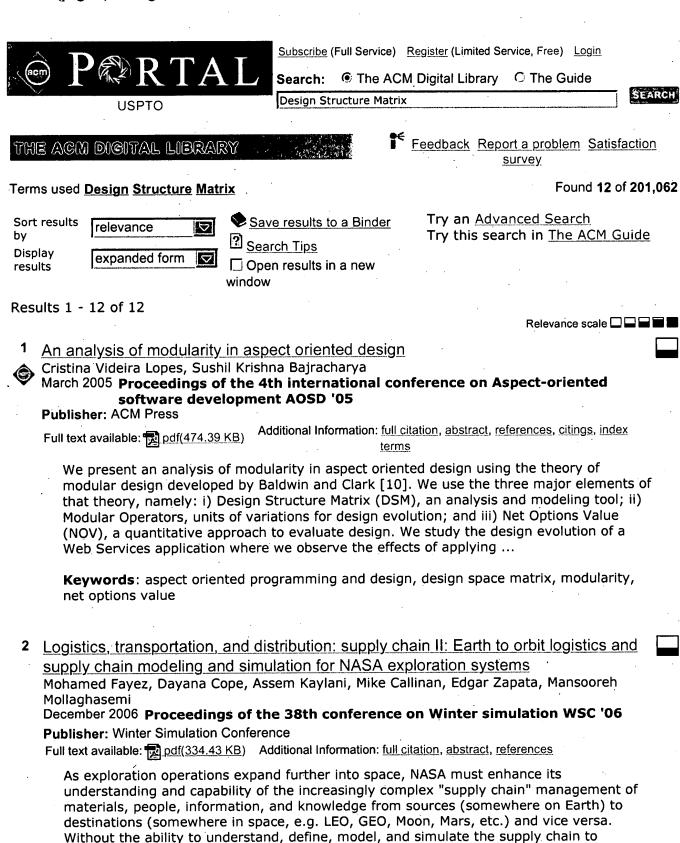
Access critical reviews of computing literature.

THE GUIDE TO COMPUTING LITERATURE

Bibliographic collection from major publishers in computing. Go to The Guide

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc. Terms of Usage Privacy Policy Code of Ethics Contact Us

NA ...



Kevin J. Sullivan, William G. Griswold, Yuanfang Cai, Ben Hallen
September 2001 ACM SIGSOFT Software Engineering Notes, Proceedings of the 8th

The structure and value of modularity in software design

estimate, project, and affect decision making relevant to the supply chain performance,

European software engineering conference held jointly with 9th ACM SIGSOFT international symposium on Foundations of software engineering ESEC/FSE-9, Volume 26 Issue 5

Publisher: ACM Press

Full text available: pdf(118.13 KB)

Additional Information: full

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u> <u>terms</u>, <u>review</u>

The concept of information hiding modularity is a cornerstone of modern software design thought, but its formulation remains casual and its emphasis on changeability is imperfectly related to the goal of creating added value in a given context. We need better explanatory and prescriptive models of the nature and value of information hiding. We evaluate the potential of a new theory---developed to account for the influence of modularity on the evolution of the computer industry---to inform softwa ...

Keywords: design structure matrix, modularity, real options, software

4 Ontologies in simulation: ontologies in simulation: Ontologies for supply chain simulation modeling

Mohamed Fayez, Luis Rabelo, Mansooreh Mollaghasemi

December 2005 Proceedings of the 37th conference on Winter simulation WSC '05

Publisher: Winter Simulation Conference

Full text available: pdf(411.61 KB) Additional Information: full citation, abstract, references

Simulation might be an effective decision support tool in supply chain management. The review of supply chain simulation modeling methodologies revealed some issues one of which is the practicability of simulation in the supply chain environment. The supply chain environment is dynamic, information intensive, geographically dispersed, and heterogeneous. In order to develop usable supply chain simulation models, the models should be feasibly applicable in the supply chain environment. Distributed ...

5 Using dependency models to manage complex software architecture

Neeraj Sangal, Ev Jordan, Vineet Sinha, Daniel Jackson

October 2005 ACM SIGPLAN Notices, Proceedings of the 20th annual ACM SIGPLAN conference on Object oriented programming, systems, languages, and applications OOPSLA '05, Volume 40 Issue 10

Publisher: ACM Press

Full text available: pdf(645.78 KB)

Additional Information: full citation, abstract, references, citings, index terms

An approach to managing the architecture of large software systems is presented. Dependencies are extracted from the code by a conventional static analysis, and shown in a tabular form known as the 'Dependency Structure Matrix' (DSM). A variety of algorithms are available to help organize the matrix in a form that reflects the architecture and highlights patterns and problematic dependencies. A hierarchical structure obtained in part by such algorithms, and in part by input from the user, then b ...

Keywords: DSM, architecture, dependency, matrix, model

6 Regular posters (non-student): Software cultivation using the artificial intelligence

design framework

Varadrai Gurupur, Urcun J Tanik

March 2006 Proceedings of the 44th annual Southeast regional conference ACM-SE

44

Publisher: ACM Press

Full text available: pdf(132.50 KB) Additional Information: full citation, abstract

All along the history of software engineering, traditional software development process has always been a labor intensive process. This is perhaps because we are still in the preliminary evolutionary stage of software production where the software has to be built by a group of software developers either from scratch or by combining and/or reusing the components that have already been developed. In this paper we propose a unique method of building software in a way that is analogous to the growth ...

7 Software engineering II: Crosscutting score: an indicator metric for aspect orientation



Subhajit Datta

March 2006 Proceedings of the 44th annual Southeast regional conference ACM-SE

Publisher: ACM Press

Full text available: pdf(225.53 KB) Additional Information: full citation, abstract, references, index terms

Aspect Oriented Programming (AOP) provides powerful techniques for modeling and implementing enterprise software systems. To leverage its full potential, AOP needs to be perceived in the context of existing methodologies such as Object Oriented Programming (OOP). This paper addresses an important question for AOP practitioners - how to decide whether a component is best modeled as a class or an aspect? Towards that end, we present an indicator metric, the *Crosscutting Score* and a method f ...

Keywords: analysis, aspects, design, metrics

8 <u>Modeling methodology: Extreme modeling: modeling design development in unpredictable environments</u>

Nuno Gil, Iris D. Tommelein, Robert Kirkendall

December 2001 Proceedings of the 33nd conference on Winter simulation WSC '01

Publisher: IEEE Computer Society

Full text available: pdf(467.77 KB)

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u>

This paper presents a process simulation model representative for design development of a building system in an unpredictable environment. Unpredictability means that design criteria are prone to change as design development unfolds. The model was implemented with a discrete-event simulation engine based on event graphs. Events capture moments when tasks start or end, or changes that cancel future scheduled events and schedule new design iterations. Between conceptualization and concept developm ...

9 Project management: Monitoring GSD projects via shared mental models: a



suggested approach

Matthew Bass

May 2006 Proceedings of the 2006 international workshop on Global software development for the practitioner GSD '06

Publisher: ACM Press

Full text available: pdf(213.38 KB) Additional Information: full citation, abstract, references, index terms

Team cognition research suggests that the degree to which teams have developed shared mental models is a significant factor in the performance of the team. Research in the software development domain has similar findings. This research is not, however, reflected in most commonly used project management practices. In geographically distributed software (GSD)development difficulty with team coordination is the norm. This paper looks at these issues, the research into team mental models, and sugges ...

Keywords: global software development, project management, shared mental models

10 Program understanding: A dynamic analysis for revealing object ownership and

sharing

Derek Rayside, Lucy Mendel, Daniel Jackson

May 2006 Proceedings of the 2006 international workshop on Dynamic systems analysis WODA '06

Publisher: ACM Press

Full text available: pdf(271.22 KB) Additional Information: full citation, abstract, references, index terms

We present a dynamic analysis for inferring object ownership and sharing, defined in terms of the write control graph. We render the results in an interactive hierarchical matrix visualizer. The purpose of the analysis and visualization is to reveal object ownership and sharing relations in the program, to facilitate program understanding and modification tasks.

Keywords: design extraction, dynamic analysis, ownership inference, software visualization

Bridging the gap between technical and social dependencies with Ariadne

Erik Trainer, Stephen Quirk, Cleidson de Souza, David Redmiles October 2005 Proceedings of the 2005 OOPSLA workshop on Eclipse technology eXchange eclipse '05

Publisher: ACM Press

Full text available: pdf(312.35 KB) Additional Information: full citation, abstract, references, index terms

One of the reasons why large-scale software development is difficult is the number of dependencies that software engineers need to face; e.g., dependencies among the software components and among the development tasks. These dependencies create a need for communication and coordination that requires continuous effort by software developers. Empirical studies, including our own, suggest that technical dependencies among software components create social dependencies among the software developers ...

Keywords: collaborative software development, program dependencies, social dependencies

12 Short papers 1: Simon: modeling and analysis of design space structures

Yuanfang Cai, Kevin J. Sullivan

November 2005 Proceedings of the 20th IEEE/ACM international Conference on Automated software engineering ASE '05

Publisher: ACM Press

Additional Information: full citation, abstract, references, citings, index Full text available: pdf(519.79 KB)

The structure of the coupling relation on design decisions is a key factor influencing the evolvability properties and the economic value of a design. The work of Baldwin and Clark is an important step toward a theory of the relationship between structure and value. A key step to enabling rigorous validation and perhaps the eventual use of their ideas for software engineering is formalization of their model. In this paper, we present a brief overview of such a formal model and a prototype softwa ...

Keywords: dependence, design rule, design structure matrix

Results 1 - 12 of 12

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc. Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime

Windows Media Player

Real Player



Subscribe (Full Service) Register (Free, Limited Service) Login

Search: © The ACM Digital Library C The Guide

+"Design Structure Matrix" +"genetic operator"

SEARCH

THE ACM DICITAL LIBRARY

Full text of every article ever published by ACM.

- Using the ACM Digital Library
 - Frequently Asked Questions (FAQ's)

Recently loaded issues and proceedings:

(available in the DL within the past 2 weeks)

Journal on Educational Resources in Computing (JERIC)

Volume 6 Issue 3

ACM Transactions on Computer Systems (TOCS)

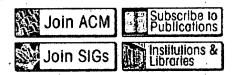
Volume 25 Issue 2

ACM Transactions on Information and System Security (TISSEC)
Volume 10 Issue 2

ACM Transactions on Speech and Language

₽ Feedback

- Report a problem
- Take our Satisfaction survey







• Browse the Digital Library:

- Journals
- Magazines
- Transactions
- Proceedings
- Newsletters
- <u>Publications by Affiliated</u>
 <u>Organizations</u>
- Special Interest Groups (SIGs)
- ACM Oral History interviews

Personalized Services: Login required



Save search results and queries. Share binders with colleagues and build bibliographies.

TOC Service

Receive the table of contents via email as new issues or proceedings become available.



CrossRef Search
Pilot program to create full-text interpublisher searchability.



Access <u>critical reviews</u> of computing literature.

THE GUIDE TO COMPUTING LITERATURE

Bibliographic collection from major publishers in computing. Go to The Guide

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.

Terms of Usage Privacy Policy Code of Ethics Contact Us



Subscribe (Full Service) Register (Limited Service, Free) Login

Search: • The ACM Digital Library • The Guide

+"Design Structure Matrix" +"genetic operator"

SEARCH

Nothing Found

Your search for +"Design Structure Matrix" +"genetic operator" did not return any results.

You may want to try an Advanced Search for additional options.

Please review the Quick Tips below or for more information see the Search Tips.

Quick Tips

• Enter your search terms in lower case with a space between the terms.

sales offices

You can also enter a full question or concept in plain language.

Where are the sales offices?

 Capitalize <u>proper nouns</u> to search for specific people, places, or products.

John Colter, Netscape Navigator

• Enclose a phrase in double quotes to search for that exact phrase.

"museum of natural history" "museum of modern art"

Narrow your searches by using a + if a search term <u>must appear</u> on a page.

museum +art

• Exclude pages by using a - if a search term must not appear on a page.

museum -Paris

Combine these techniques to create a specific search query. The better your description of the information you want, the more relevant your results will be.

museum +"natural history" dinosaur -Chicago

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.

<u>Terms of Usage Privacy Policy Code of Ethics Contact Us</u>

Useful downloads: Adobe Acrobat Q QuickTime Windows Media Player Real Player

Subscribe (Full Service) Register (Limited Service, Free) Login
Search: © The ACM Digital Library O The Guide
USPTO "Design Structure Matrix" +"genetic operator" SEARC
THE ACM DICITAL LIBRARY Satisfaction Survey
Terms used <u>Design Structure Matrix</u> genetic operator Found 159 of 201,06
Sort results by Display results Expanded form Open results in a new window Try an Advanced Search Try this search in The ACM Guide Try this search in The ACM Guide
Results 1 - 20 of 159 Result page: 1 2 3 4 5 6 7 8 next Relevance scale □□□□■■
Search-based software engineering: posters: Single and multi-objective genetic operators in object-oriented conceptual software design C. L. Simons, I. C. Parmee July 2006 Proceedings of the 8th annual conference on Genetic and evolutionary computation GECCO '06 Publisher: ACM Press Full text available: pdf(307.26 KB) Additional Information: full citation, abstract, references, index terms This poster paper investigates the potential of single and multi-objective genetic operators with an object-oriented conceptual design space. Using cohesion as an objective fitness function, genetic operators inspired by genetic algorithms and evolutionary programming are compared against a simple case study. Also, using both cohesion and coupling as objective fitness functions, multi-objective genetic operators inspired by a non-dominated sorting algorithm have been developed. Cohesion and coup
Keywords: evolutionary algorithms, object-oriented design, search
2 GENOCOP: a genetic algorithm for numerical optimization problems with linear constraints Z. Michalewicz, C. Z. Janikow December 1996 Communications of the ACM Publisher: ACM Press Full text available: pdf(250.33 KB) Additional Information: full citation, references, citings, index terms
3 DCCEA contails tioned in continuities in mote CAst page 200 or nine dragme?

PSGEA contributions: Investigations in meta-GAs: panaceas or pipe dreams?

Jeff Clune, Sheni Goings, Bill Punch, Eric Goodman

June 2005 Proceedings of the 2005 workshops on Genetic and evolutionary computation GECCO '05

Publisher: ACM Press

Full text available: pdf(249.39 KB) Additional Information: full citation, abstract, references, index terms

A meta-GA (GA within a GA) is used to investigate evolving the parameter settings of genetic operators for genetic and evolutionary algorithms (GEA) in the hope of creating a self-adaptive GEA. We report three findings. First, the meta-GA can adapt its genetic operators to different problems and thereby perform well on average across diverse

problems. Second, the meta-GA can change its parameters during the course	of a	a run—
seemingly a good idea—but this behavior may actually decrease		

Keywords: adaptive parameter control, genetic algorithms, meta-GA

4	Genetic algorithms: Applying price's equation to survival selection Jeffrey K. Bassett, Mitchell A. Potter, Kenneth A. De Jong June 2005 Proceedings of the 2005 conference on Genetic and evolutionary					
	computation GECCO '05 Publisher: ACM Press					
	Full text available: pdf(196.61 KB) Additional Information: full citation, abstract, references, index terms					
	Several researchers have used Price's equation (from biology theory literature) to analyze the various components of an Evolutionary Algorithm (EA) while it is running, giving insights into the components contributions and interactions. While their results are interesting, they are also limited by the fact that Price's equation was designed to work with the averages of population fitness. The EA practitioner, on the other hand, is typically interested in the best individuals in the population, n					
	Keywords: price's equation					
5	Genetic algorithms for non-linear adaptive filters in digital signal processing					
\$	André Neubauer February 1996 Proceedings of the 1996 ACM symposium on Applied Computing SAC '96					
	Publisher: ACM Press					
	Full text available: pdf(332.72 KB) Additional Information: full citation, references, index terms					
	Keywords : adaptive filter, genetic algorithm, on-line adaptation, parameter estimation, stochastic signal estimation					
6	Application of genetic algorithms to the algebraic simplification of tensor polynomials					
③	algebraic computation ISSAC '97					
	Publisher: ACM Press Full text available: <mark>豫 pdf(1.09 MB)</mark> Additional Information: <u>full citation</u> , <u>references</u> , <u>index terms</u>					
7	A sparse matrix representation for production scheduling using genetic algorithms					
•	Simon J. T. Liang, John M. Lewis February 1995 Proceedings of the 1995 ACM symposium on Applied computing SAC '95					
	Publisher: ACM Press					
	Full text available: pdf(579.43 KB) Additional Information: full citation, references, index terms	*				
	Keywords: genetic algorithms, job shop scheduling, representing					

8 ③	Adaptive feedback compensation for distributed load-based routing systems in datagram packet-switched communications networks Arthur S. Olsen	
	July 1997 ACM SIGCOMM Computer Communication Review, Volume 27 Issue 3 Publisher: ACM Press Full text available: pdf(2.60 MB) Additional Information: full citation, abstract, index terms	
	Routing systems for datagram packet-switched networks' iteratively applying Shortest Path First (SPF) algorithms on load-based link cost metrics exhibit poor stabilization and convergence properties at moderate traffic loads without the addition of experimentally determined Bertsekas Additive Bias Factors to aid in damping undesirable oscillations. Routing systems which iteratively apply SPF Algorithms on load-varying link costs implicitly assume routing assignments can be independently modified	
9 �	Reproductive adaptive plans Daniel J. Cavicchio August 1972 Proceedings of the ACM annual conference - Volume 1 ACM'72	
	Publisher: ACM Press	
	Full text available: pdf(1.05 MB) Additional Information: full citation, abstract, references, index terms	
	This paper traces the experimental development of a new class of powerful and flexible adaptive plans, called reproductive plans. Adaptive plans are formally presented as search procedures for locating superior devices in an extremely large space. Reproductive adaptive plans operate by treating the search procedure as an evolutionary process of finding the best organism in a certain environment. Devices are represented as strings or chromosomes. At each "generation" or time step	
	Keywords : Adaptation, Adaptive plans, Adaptive search, Adaptive systems, Artificial intelligence, Evolution, Heuristic search, Learning, Pattern recognition, Reproductive adaptive plans, Search procedures	
10	Biological applications: A GA for maximum likelihood phylogenetic inference using	
*	neighbour-joining as a genotype to phenotype mapping Leon Poladian	
,	June 2005 Proceedings of the 2005 conference on Genetic and evolutionary computation GECCO '05	
	Publisher: ACM Press Full tout available: The df(230, 66 KB) Additional Information: full citation, abstract, references, citings, index	
	Full text available: pdf(239.66 KB) Additional information: toli citation, abstract, references, cittings, index terms	
	Evolutionary relationships among species can be represented by a phylogenetic tree and inferred by optimising some measure of fitness, such as the statistical likelihood of the tree (given a model of the evolutionary process and a data set). The combinatorial complexity of inferring the topology of the best tree makes phylogenetic inference ideal for genetic algorithms. In this paper, two existing algorithms for phylogenetic inference (neighbour-joining and maximum likelihood) are co-utilised wi	
	Keywords : genetic algorithms, genotype to phenotype mapping, maximum likelihood, neighbour joining, phylogenetic inference	
11	VLSI cell placement techniques K. Shahookar, P. Mazumder June 1991 ACM Computing Surveys (CSUR), Volume 23 Issue 2	
	Publisher: ACM Press	

Full text available: pdf(5.28 MB)

Additional Information: full citation, abstract, references, citings, index terms, review

VLSI cell placement problem is known to be NP complete. A wide repertoire of heuristic algorithms exists in the literature for efficiently arranging the logic cells on a VLSI chip. The objective of this paper is to present a comprehensive survey of the various cell placement techniques, with emphasis on standard cell and macro placement. Five major algorithms for placement are discussed: simulated annealing, force-directed placement, min-cut placement, placement by numerical optimization, a ...

Keywords: VLSI, floor planning, force-directed placement, gate array, genetic algorithm, integrated circuits, layout, min-cut, physical design, placement, simulated annealing, standard cell

12	Modeling methodology: A framework for distributed simulation optimization Björn Gehlsen, Bernd Page December 2001 Proceedings of the 33nd conference on Winter simulation WSC '01			
	Publisher: IEEE Computer Society			
Full text available: pdf(349.11 KB) Additional Information: full citation, abstract, references, citings, indeterms				
	The system presented bridges the gap between three different research areas: discrete event simulation, heuristic optimization methods and distributed systems technology. Its goal is to provide a framework which supports an efficient implementation of simulation optimization projects, including heuristic optimum seeking procedures and parallel execution of experiments. It is written completely in Java and only uses components that are publicly available, including software libraries from academi	•		

13 An updated survey of GA-based multiobjective optimization techniques



Carlos A. Coello

June 2000 ACM Computing Surveys (CSUR), Volume 32 Issue 2

Publisher: ACM Press

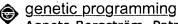
Full text available: pdf(250.77 KB)

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u> <u>terms</u>

After using evolutionary techniques for single-objective optimization during more than two decades, the incorporation of more than one objective in the fitness function has finally become a popular area of research. As a consequence, many new evolutionary-based approaches and variations of existing techniques have recently been published in the technical literature. The purpose of this paper is to summarize and organize the information on these current approaches, emphasizing the importanc ...

Keywords: artificial intelligence, genetic algorithms, multicriteria optimization, multiobjective optimization, vector optimization

14 Enhancing information retrieval by automatic acquisition of textual relations using



Agneta Bergström, Patricija Jaksetic, Peter Nordin

January 2000 Proceedings of the 5th international conference on Intelligent user interfaces IUI '00

Publisher: ACM Press

Full text available: pdf(633.96 KB) Additional Information: full citation, abstract, references, index terms

We have explored a novel method to find textual relations in electronic documents using genetic programming and semantic networks. This can be used for enhancing information

retrieval and simplifying user interfaces. The automatic extraction of relations from text enables easier updating of electronic dictionaries and may reduce interface area both for search input and hit output on small screens such as cell phones and PDAs (Personal Digital Assistants).

Keywords: genecic programming, information retrieval, machine learning, natural language processing, semantic networks

15	Genetic list scheduling algorithm for scheduling and allocation on a loosely coupled					
٩	heterogeneous multiprocessor system					
•	Martin Grajcar June 1999 Proceedings of the 36th ACM/IEEE conference on Design automation DAC					
	'99					
	Publisher: ACM Press					
	Full text available: pdf(134.04 KB) Additional Information: full citation, references, citings, index terms					
	Keywords : genetic algorithms, heterogeneous system design, heuristic, list scheduling					
		•				
16	A genetic programming system for the induction of iterative solution algorithms to					
	novice procedural programming problems					
	Nelishia Pillay					
	July 2005 Proceedings of the 2005 annual research conference of the South African institute of computer scientists and information technologists on IT					
	research in developing countries SAICSIT '05	•				
	Publisher: South African Institute for Computer Scientists and Information Technologists					
	Full text available: pdf(135.01 KB) Additional Information: full citation, abstract, references, index terms					
	The study presented in this paper evaluates genetic programming (GP) as a means of					
	evolving solution algorithms to novice iterative programming problems. This research					
	forms part of a study aimed at reducing the costs associated with developing intelligent					
	programming tutors by inducing solutions to the programming problems presented to students, instead of requiring the lecturer to provide these solutions. The paper proposes					
	a GP system for the induction of algorithms using iteration and nested					
	Keywords : automatic programming, genetic programming, intelligent programming					
	tutors					
17	Applications in logistics, transportation, and distribution: Maufacturing supply chain					
	applications 1: supply chain multi-objective simulation optimization					
	Jeffrey A. Joines, Deepak Gupta, Mahmut Ali Gokce, Russell E. King, Michael G. Kay					
	December 2002 Proceedings of the 34th conference on Winter simulation: exploring					
	new frontiers WSC '02 Publisher: Winter Simulation Conference					
	Full text available: pdf(177.07 KB) Additional Information: full citation, abstract, references; citings					
	A critical decision companies are faced with on a regular basis is the ordering of products					
	and/or raw materials. Poor decisions can lead to excess inventories that are costly or to					
	insufficient inventory that cannot meet its customer demands. These decisions may be as					
	simple as "How much to order" or "How often to order" to more complex decision					
	forecasting models. This paper addresses optimizing these sourcing decisions within a					

supply chain to determine robust solutions. Utilizing an exist ...

18	An evolution programming approach on multiple behaviors for the design of			
	application specific programmable processors			
	Wei Zhao, C. A. Papachristou			
	March 1996 Proceedings of the 1996 European conference on Design and Test EDTC '96	•		
,	Publisher: IEEE Computer Society			
	Full text available: pdf(819.57 KB) Additional Information: full citation, abstract, citings			
	Publisher Site			
	This paper proposes an Evolution Programming Approach for behavior-level area-efficient design of ASPPs (Application Specific Programmable Processors). This approach, based on a given behavioral-level kernel, randomly transforms each of the input behaviors, then the behavioral kernel is used in the evolution process to guide the survival of data flow graphs (DFGs). Finally, instead of the given DFGs, the surviving DFGs are used to synthesize a programmable architecture. This leads to an area-eff			
	Keywords : DSP chips, application specific integrated circuits, application specific programmable processors, area-efficient design, behavior-level area-efficient design, behavioral kernel, circuit CAD, circuit layout CAD, data flow graphs, digital signal processing chips, evolution programming approach, high level synthesis, integrated circuit design, logic design, multiple behaviors, programmable architecture, programming			
19	Convergence characteristics of keep-best reproduction			
٨	Kay Wiese, Scott D. Goodwin			
•	February 1999 Proceedings of the 1999 ACM symposium on Applied computing SAC '99	•		
	Publisher: ACM Press			
	Full text available: pdf(792.06 KB) Additional Information: full citation, references, index terms			
	Keywords : convergence models, family competition, selection intensities, selection schemes			
		•		
20	Using genetic algorithms to generate Steiner triple systems			
	Stephen J. Hartley, Aaron H. Konstam			
	March 1993 Proceedings of the 1993 ACM conference on Computer science CSC '93			
	Publisher: ACM Press			
	Full text available: pdf(748.43 KB) Additional Information: full citation, abstract, references, citings, index terms			
	Steiner systems, particularly triple systems, are usually generated by mathematicians using techniques from the theory of groups and quasi-groups. When pencil-and-paper enumeration becomes infeasible, mathematicians have used computers to carry out exhaustive searches. This paper presents some results of using genetic algorithms, which do not use exhaustive search, to generate Steiner systems. A specialized mutation operator was effective in generating Steiner triple systems. Future researc			
Res	sults 1 - 20 of 159 Result page: 1 2 3 4 5 6 7 8 next			
	The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc. <u>Terms of Usage Privacy Policy Code of Ethics Contact Us</u>			
	Useful downloads: Adobe Acrobat Q QuickTime Windows Media Player Real Player			



Subscribe (Full Service) Register (Free, Limited Service) Login

Search: The ACM Digital Library C The Guide

"Dependency Structure Matrix" + "genetic operator"

SEARCH

THE ACM DICITAL LIBRARY

Full text of every article ever published by ACM.

- Using the ACM Digital Library
 - Frequently Asked Questions (FAQ's)

Recently loaded issues and proceedings:

(available in the DL within the past 2 weeks)

Journal on Educational Resources in Computing (JERIC)

Volume 6 Issue 3

ACM Transactions on Computer Systems (TOCS)

<u>Volume 25 Issue 2</u>

ACM Transactions on Information and System Security (TISSEC)
Volume 10 Issue 2

ACM Transactions on Speech and Language

₽ Feedback

- Report a problem
- Take our Satisfaction survey





- Advanced Search
- Browse the Digital Library:
 - Journals
 - Magazines
 - Transactions
 - Proceedings
 - Newsletters
 - Publications by Affiliated Organizations
 - Special Interest Groups (SIGs)
 - ACM Oral History interviews

Personalized Services: Login required



Save search results and queries. Share binders with colleagues and build bibliographies.

TOC Service

Receive the table of contents via email as new issues or proceedings become available.



CrossRef Search
Pilot program to create full-text interpublisher searchability.



Access <u>critical reviews</u> of computing literature.

THE GUIDE TO COMPUTING LITERATURE

Bibliographic collection from major publishers in computing.

Go to The Guide

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.

Terms of Usage Privacy Policy Code of Ethics Contact Us



Subscribe (Full Service) Register (Limited Service, Free) Login

Search: • The ACM Digital Library • C The Guide

"Dependency Structure Matrix" +"genetic operator".

SEARCH

THE	ACM	DIGITAL	LIBRARY.	.,	

Feedback Report a problem Satisfaction survey

Terms used **Dependency Structure Matrix genetic operator**

Found **159** of **201,062**

Sort results by Display results	relevance	Save results to a Binder Search Tips Open results in a new window		Try an Advanced Search Try this search in The ACM Guide
--	-----------	--	--	---

Results 1 - 20 of 159

Result page: 1 2 3 4 5 6 7 8 next

Relevance scale

1 Search-based software engineering: posters: Single and multi-objective genetic operators in object-oriented conceptual software design

C. L. Simons, I. C. Parmee

July 2006 Proceedings of the 8th annual conference on Genetic and evolutionary computation GECCO '06

Publisher: ACM Press

Full text available: pdf(307.26 KB) Additional Information: full citation, abstract, references, index terms

This poster paper investigates the potential of single and multi-objective genetic operators with an object-oriented conceptual design space. Using cohesion as an objective fitness function, genetic operators inspired by genetic algorithms and evolutionary programming are compared against a simple case study. Also, using both cohesion and coupling as objective fitness functions, multi-objective genetic operators inspired by a non-dominated sorting algorithm have been developed. Cohesion and coup ...

Keywords: evolutionary algorithms, object-oriented design, search

2	GENOCOP: a genetic algorithm for numerical optimization problems with linea	<u>r</u>
٩	<u>constraints</u> Z. Michalewicz, C. Z. Janikow	

December 1996 Communications of the ACM

Publisher: ACM Press

Full text available: pdf(250.33 KB) Additional Information: full citation, references, citings, index terms

PSGEA contributions: Investigations in meta-GAs: panaceas or pipe dreams?
 Jeff Clune, Sheni Goings, Bill Punch, Eric Goodman

June 2005 Proceedings of the 2005 workshops on Genetic and evolutionary computation GECCO '05

Publisher: ACM Press

Full text available: pdf(249.39 KB) Additional Information: full citation, abstract, references, index terms

A meta-GA (GA within a GA) is used to investigate evolving the parameter settings of genetic operators for genetic and evolutionary algorithms (GEA) in the hope of creating a self-adaptive GEA. We report three findings. First, the meta-GA can adapt its genetic operators to different problems and thereby perform well on average across diverse

problems. Second, the meta-GA can change its parameters during the course of a run seemingly a good idea—but this behavior may actually decrease ...

Keywords: adaptive parameter control, genetic algorithms, meta-GA

4	Genetic algorithms: Applying price's equation to survival selection	
٩	Jeffrey K. Bassett, Mitchell A. Potter, Kenneth A. De Jong June 2005 Proceedings of the 2005 conference on Genetic and evolutionary	
	computation GECCO '05 Publisher: ACM Press	
	Full text available: pdf(196.61 KB) Additional Information: full citation, abstract, references, index terms	
	Several researchers have used Price's equation (from biology theory literature) to analyze the various components of an Evolutionary Algorithm (EA) while it is running, giving insights into the components contributions and interactions. While their results are interesting, they are also limited by the fact that Price's equation was designed to work with the averages of population fitness. The EA practitioner, on the other hand, is typically interested in the best individuals in the population, n	
	Keywords: price's equation	
5	Genetic algorithms for non-linear adaptive filters in digital signal processing	
②	André Neubauer February 1996 Proceedings of the 1996 ACM symposium on Applied Computing SAC '96	
	Publisher: ACM Press	
	Full text available: pdf(332.72 KB) Additional Information: full citation, references, index terms	
	Keywords : adaptive filter, genetic algorithm, on-line adaptation, parameter estimation, stochastic signal estimation	.•
6	Application of genetic algorithms to the algebraic simplification of tensor polynomials M. Kavian, R. G. McLenaghan, K. O. Geddes	
•	July 1997 Proceedings of the 1997 international symposium on Symbolic and	
	algebraic computation ISSAC '97 Publisher: ACM Press	
	Full text available: pdf(1.09 MB) Additional Information: full citation, references, index terms	
7	A sparse matrix representation for production scheduling using genetic algorithms	
٩	Simon J. T. Liang, John M. Lewis February 1995 Proceedings of the 1995 ACM symposium on Applied computing SAC	-
•	'95 Publisher: ACM Press	
	Full text available: pdf(579.43 KB) Additional Information: full citation, references, index terms	
٠	Keywords: genetic algorithms, job shop scheduling, representing	

8	Adaptive feedback compensation for distributed load-based routing systems in datagram packet-switched communications networks Arthur S. Olsen	<u> </u>
	July 1997 ACM SIGCOMM Computer Communication Review, Volume 27 Issue 3 Publisher: ACM Press	
	Full text available: pdf(2.60 MB) Additional Information: full citation, abstract, index terms	
	Routing systems for datagram packet-switched networks' iteratively applying Shortest Path First (SPF) algorithms on load-based link cost metrics exhibit poor stabilization and convergence properties at moderate traffic loads without the addition of experimentally determined Bertsekas Additive Bias Factors to aid in damping undesirable oscillations. Routing systems which iteratively apply SPF Algorithms on load-varying link costs implicitly assume routing assignments can be independently modified	
9	Reproductive adaptive plans Daniel J. Cavicchio	
•	August 1972 Proceedings of the ACM annual conference - Volume 1 ACM'72 Publisher: ACM Press	
	Full text available: pdf(1.05 MB) Additional Information: full citation, abstract, references, index terms	
	This paper traces the experimental development of a new class of powerful and flexible adaptive plans, called reproductive plans. Adaptive plans are formally presented as search procedures for locating superior devices in an extremely large space. Reproductive adaptive plans operate by treating the search procedure as an evolutionary process of finding the best organism in a certain environment. Devices are represented as strings or chromosomes. At each "generation" or time step	
	Keywords : Adaptation, Adaptive plans, Adaptive search, Adaptive systems, Artificial intelligence, Evolution, Heuristic search, Learning, Pattern recognition, Reproductive adaptive plans, Search procedures	
10	Biological applications: A GA for maximum likelihood phylogenetic inference using neighbour-joining as a genotype to phenotype mapping	
•	Leon Poladian June 2005 Proceedings of the 2005 conference on Genetic and evolutionary computation GECCO '05	
	Publisher: ACM Press	
	Full text available: pdf(239.66 KB) Additional Information: full citation, abstract, references, citings, index terms	
	Evolutionary relationships among species can be represented by a phylogenetic tree and inferred by optimising some measure of fitness, such as the statistical likelihood of the tree (given a model of the evolutionary process and a data set). The combinatorial complexity of inferring the topology of the best tree makes phylogenetic inference ideal for genetic algorithms. In this paper, two existing algorithms for phylogenetic inference (neighbour-joining and maximum likelihood) are co-utilised wi	
	Keywords : genetic algorithms, genotype to phenotype mapping, maximum likelihood, neighbour joining, phylogenetic inference	
11	VLSI cell placement techniques	
<u>~</u>	K. Shahookar, P. Mazumder	
Y	June 1991 ACM Computing Surveys (CSUR), Volume 23 Issue 2	
	Publisher: ACM Press	

Full text available: pdf(5.28 MB)

Additional Information: full citation, abstract, references, citings, index terms, review

VLSI cell placement problem is known to be NP complete. A wide repertoire of heuristic algorithms exists in the literature for efficiently arranging the logic cells on a VLSI chip. The objective of this paper is to present a comprehensive survey of the various cell placement techniques, with emphasis on standard cell and macro placement. Five major algorithms for placement are discussed: simulated annealing, force-directed placement, min-cut placement, placement by numerical optimization, a ...

Keywords: VLSI, floor planning, force-directed placement, gate array, genetic algorithm, integrated circuits, layout, min-cut, physical design, placement, simulated annealing, standard cell

12 Modeling methodology: A framework for distributed simulation optimization
Björn Gehlsen, Bernd Page
December 2001 Proceedings of the 33nd conference on Winter simulation WSC '01

Publisher: IEEE Computer Society

Full text available: pdf(349.11 KB)

Additional Information: full citation, abstract, references, citings, index terms

The system presented bridges the gap between three different research areas: discrete event simulation, heuristic optimization methods and distributed systems technology. Its goal is to provide a framework which supports an efficient implementation of simulation optimization projects, including heuristic optimum seeking procedures and parallel execution of experiments. It is written completely in Java and only uses components that are publicly available, including software libraries from academi ...

13 An updated survey of GA-based multiobjective optimization techniques

(4)

Carlos A. Coello

June 2000 ACM Computing Surveys (CSUR), Volume 32 Issue 2

Publisher: ACM Press

Full text available: pdf(250.77 KB)

Additional Information: full citation, abstract, references, citings, index terms

After using evolutionary techniques for single-objective optimization during more than two decades, the incorporation of more than one objective in the fitness function has finally become a popular area of research. As a consequence, many new evolutionary-based approaches and variations of existing techniques have recently been published in the technical literature. The purpose of this paper is to summarize and organize the information on these current approaches, emphasizing the importanc ...

Keywords: artificial intelligence, genetic algorithms, multicriteria optimization, multiobjective optimization, vector optimization

14 Enhancing information retrieval by automatic acquisition of textual relations using

genetic programming

Agneta Bergström, Patricija Jaksetic, Peter Nordin

January 2000 Proceedings of the 5th international conference on Intelligent user interfaces IUI '00

Publisher: ACM Press

Full text available: pdf(633.96 KB) Additional Information: full citation, abstract, references, index terms

We have explored a novel method to find textual relations in electronic documents using genetic programming and semantic networks. This can be used for enhancing information

retrieval and simplifying user interfaces. The automatic extraction of relations from text enables easier updating of electronic dictionaries and may reduce interface area both for search input and hit output on small screens such as cell phones and PDAs (Personal Digital Assistants).

Keywords: genecic programming, information retrieval, machine learning, natural language processing, semantic networks

15 ②	Genetic list scheduling algorithm for scheduling and allocation on a loosely coupled heterogeneous multiprocessor system Martin Grajcar	
	June 1999 Proceedings of the 36th ACM/IEEE conference on Design automation DAC	
	Yes Publisher: ACM Press Full text available: pdf(134.04 KB) Additional Information: full citation, references, citings, index terms	
	Keywords: genetic algorithms, heterogeneous system design, heuristic, list scheduling	
16	novice procedural programming problems Nelishia Pillay	
	July 2005 Proceedings of the 2005 annual research conference of the South African institute of computer scientists and information technologists on IT research in developing countries SAICSIT '05	. •
	Publisher: South African Institute for Computer Scientists and Information Technologists Full text available: pdf(135.01 KB) Additional Information: full citation, abstract, references, index terms	
	The study presented in this paper evaluates genetic programming (GP) as a means of evolving solution algorithms to novice iterative programming problems. This research forms part of a study aimed at reducing the costs associated with developing intelligent programming tutors by inducing solutions to the programming problems presented to students, instead of requiring the lecturer to provide these solutions. The paper proposes a GP system for the induction of algorithms using iteration and nested	
	Keywords : automatic programming, genetic programming, intelligent programming tutors	
17		
	<u>applications 1: supply chain multi-objective simulation optimization</u> Jeffrey A. Joines, Deepak Gupta, Mahmut Ali Gokce, Russell E. King, Michael G. Kay December 2002 Proceedings of the 34th conference on Winter simulation: exploring new frontiers WSC '02	
	Publisher: Winter Simulation Conference	
	Full text available: pdf(177.07 KB) Additional Information: full citation, abstract, references, citings	
	A critical decision companies are faced with on a regular basis is the ordering of products and/or raw materials. Poor decisions can lead to excess inventories that are costly or to insufficient inventory that cannot meet its customer demands. These decisions may be as simple as "How much to order" or "How often to order" to more complex decision forecasting models. This paper addresses optimizing these sourcing decisions within a	

supply chain to determine robust solutions. Utilizing an exist ...

18	An evolution programming approach on multiple behaviors for the design of application specific programmable processors	
	Wei Zhao, C. A. Papachristou March 1996 Proceedings of the 1996 European conference on Design and Test EDTC '96	
	Publisher: IEEE Computer Society Full text available: pdf(819.57 KB) Publisher Site Additional Information: full citation, abstract, citings	
	This paper proposes an Evolution Programming Approach for behavior-level area-efficient design of ASPPs (Application Specific Programmable Processors). This approach, based on a given behavioral-level kernel, randomly transforms each of the input behaviors, then the behavioral kernel is used in the evolution process to guide the survival of data flow graphs (DFGs). Finally, instead of the given DFGs, the surviving DFGs are used to synthesize a programmable architecture. This leads to an area-eff	
	Keywords : DSP chips, application specific integrated circuits, application specific programmable processors, area-efficient design, behavior-level area-efficient design, behavioral kernel, circuit CAD, circuit layout CAD, data flow graphs, digital signal processing chips, evolution programming approach, high level synthesis, integrated circuit design, logic design, multiple behaviors, programmable architecture, programming	
19	Convergence characteristics of keep-best reproduction	
*	Kay Wiese, Scott D. Goodwin February 1999 Proceedings of the 1999 ACM symposium on Applied computing SAC '99	
	Publisher: ACM Press Full text available: pdf(792.06 KB) Additional Information: full citation, references, index terms	
	Keywords : convergence models, family competition, selection intensities, selection schemes	
20 ②	Using genetic algorithms to generate Steiner triple systems Stephen J. Hartley, Aaron H. Konstam March 1993 Proceedings of the 1993 ACM conference on Computer science CSC '93	
	Publisher: ACM Press Full text available: pdf(748.43 KB) Additional Information: full citation, abstract, references, citings, index	
	Steiner systems, particularly triple systems, are usually generated by mathematicians	
	using techniques from the theory of groups and quasi-groups. When pencil-and-paper enumeration becomes infeasible, mathematicians have used computers to carry out exhaustive searches. This paper presents some results of using genetic algorithms, which do not use exhaustive search, to generate Steiner systems. A specialized mutation operator was effective in generating Steiner triple systems. Future researc	
Res	ults 1 - 20 of 159 Result page: 1 2 3 4 5 6 7 8 next	
,	The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc. <u>Terms of Usage Privacy Policy Code of Ethics Contact Us</u>	•
	Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player	